

**DESIGN OF A CIRCULATION-EFFICIENT ULTRAMODERN
MARKET FOR OTA, OGUN STATE**

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SEPTEMBER, 2021.

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MARKET FOR OTA, OGUN STATE**

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**A DISSERTATION SUBMITTED TO THE SCHOOL OF POSTGRADUATE
STUDIES IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE
AWARD OF MASTER OF SCIENCE (M.SC) DEGREE IN ARCHITECTURE IN THE
DEPARTMENT OF ARCHITECTURE, COLLEGE OF SCIENCE AND
TECHNOLOGY, COVENANT UNIVERSITY.**

SEPTEMBER, 2021.

ACCEPTANCE

This is to attest that this dissertation is accepted in partial fulfilment of the requirements for the award of degree of Master of Sciences in the department of Architecture, College of Science and technology, Covenant University, Ota, Nigeria.

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DECLARATION

I, **ADEYEYE CALEB ADEOLU (15CA03320)** declares that this thesis was carried out by me under the supervision of Dr. Olatunde.D.Babalola of the Department of Architecture, College of Science and Technology, Covenant University, Ota, Nigeria. I attest that the dissertation has not been presented either wholly or partially for the award of any degree elsewhere. All sources of data and scholarly information used in this thesis are duly acknowledged.

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Signature & Date

CERTIFICATION

We certify that this dissertation titled “**DESIGN OF A CIRCULATION-EFFICIENT ULTRAMODERN MARKET FOR OTA, OGUN STATE**” is an original research work carried out by **ADEYEYE CALEB ADEOLU (15CA03320)** in the Department of Architecture, College of Science and Technology, Covenant University, Ota, Nigeria under the supervision of Dr. O.D.Babalola. We have examined and found this work acceptable as part of the requirements for the award of Master of Science in Architecture.

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DEDICATION

I dedicate this research firstly to God Almighty, for his unending favour, faithfulness, strength, grace and wisdom to undertake this task. Secondly, to my parents for their continuous support both financially and spiritually. Thirdly, to my siblings for always encouraging me and pushing me all through. God bless and reward you all.

ACKNOWLEDGEMENT

Our profound appreciation to the Almighty God for his infinite mercies, favour, strength and wisdom for the successful completion of this project. I appreciate the Chancellor- Dr. David O. Oyedepo for his aggressive drive for capacity building. I appreciate the Management of Covenant University, led by Vice chancellor Prof. Abiodun H. Adebayo for the enabling environment and support.

I give gratitude to my supervisor, Dr. O.D. Babalola for his guidance and mentorship throughout the project and our H.O.D Prof. A.P. Opoko for granting me permission to carry out fieldwork. To our lecturers, Dr A.A. Oluwatayo, Dr A.B Solanke, Dr P.A. Aderonmu among others for their contribution to the outcome of this research

Finally, my utmost gratitude goes to my parents for the spiritual, moral, and financial support throughout and I pray that you shall reap the fruits of their labour. To my siblings for their encouragement and support in time of need and my colleagues for all their help and assistance during the course of this research

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ABSTRACT

The market place is a public space that habits the buying and selling of products and goods in large and small quantities. Congestion has become a more reoccurring problem in market buildings as it serves as a public building that temporarily houses large numbers of people. In Nigeria, several studies have showed that congestion is higher around market areas. A way of addressing the issue is with the design of adequate circulation within and around the market place. Therefore, the study investigated the circulation plan on selected ultramodern markets in Nigeria with a view to designing an all-inclusive circulation efficient one. To achieve this, Case studies were selected among major ultramodern markets in Lagos state and the Federal Capital territory. Data collection instrument used were observation schedule and questionnaires. The observation schedule was used to identify and assess elements of circulation implemented in the ultramodern markets. The survey used the stratified random sampling method to select the respondents to which the questionnaires were administered. The data obtained were analysed using the STATISTICS 2021 IBM SPSS (Statistic Social Sciences Package) software. Results revealed that some elements were considered more in design than others while some elements were below standard for adequate and progressive movement of users through the markets. Also users were unsatisfied with certain elements of circulation implemented in the ultramodern markets.

Keywords: Circulation, wayfinding, accessibility, ultramodern market, congestion